```
semaphore sput, sget[3];
sput = 1; sget[i] = 0; //i=0,1,2
                                                    process consumer(k){
process businessman(){
    L1: i = RAND() \% 3;
                                                         L2: P(sget[k]);
    j = RAND() \% 3;
                                                         take one item from the table;
    if(i == j)
                                                         take one item from the table;
        goto L1;
                                                         V(sput);
    P(sput);
                                                         make cigarette and somke;
    put items[i] on the table;
                                                         goto L2;
    put items[j] on the table;
    if((i == 0 && j == 1) || (i == 1 && j == 0))
        V(sget[2]);
    if((i == 1 && j == 2) || (i == 2 && j == 1)) |
        V(sget[0]);
    if((i == 0 \&\& j == 2) || (i == 2 \&\& j == 0))||
        V(sget[1]);
    goto L1;
```